

WHAT IS CLAIMED IS:

1. A method for delivering an siRNA or engineered RNA precursor to a cell, the method comprising:
 - (a) obtaining a cell
 - (b) conjugating at least one delivery peptide to an siRNA or engineered RNA precursor, thereby forming a peptide-conjugate; and
 - (c) contacting the cell with the peptide-conjugate.
2. The method of claim 1, wherein the delivery peptide is a Tat peptide.
3. The method of claim 2, wherein the delivery peptide has a sequence substantially similar to the sequence of SEQ ID NO. 12.
4. The method of claim 1, wherein the delivery peptide is a homeobox (hox) peptide.
5. The method of claim 1, wherein the delivery peptide is a MTS.
6. The method of claim 1, wherein the delivery peptide is VP22.
7. The method of claim 1, wherein the deliver peptide is MPG.
8. A method for delivering an siRNA to a cell, the method comprising:
 - (a) obtaining a cell;
 - (b) forming a mixture comprising an siRNA and at least one dendrimer; and
 - (c) contacting the cell with the mixture, thereby delivering the siRNA to the cell.
9. The method of claim 8, wherein the dendrimer is PAMAM.
10. A kit for conjugating a delivery peptide to a siRNA, comprising the delivery peptide and an activating agent.
11. The kit of claim 10, wherein the delivery peptide is selected from the group consisting of Tat, homeobox (hox), MTS, MPG, and VP22.
12. A kit for preparing an siRNA delivery mixture comprising a dendrimer and instructions for use in mixing with an siRNA.
13. The kit of claim 12, wherein the dendrimer is PAMAM.
14. An siRNA delivery mixture comprising a dendrimer.
15. An siRNA or engineered RNA precursor conjugated to a delivery peptide.
16. The siRNA of claim 15 wherein the delivery peptide is chosen from the group consisting of Tat, homeobox (hox), VP22, MPG, and MST.